

DIVYOL GEAR OILS XS

Applications:

Divyol Gear Oils XS is a series of fully synthetic heavy-duty industrial oils designed for spur, helical, bevel gear and bearing in industrial equipment as well as ships with heavy loads and under harsh environment conditions. These gear oils are especially recommended for applications that require long service life, get little maintenance or have a very difficult maintenance system. They are also suitable for reduction gearbox of conveyor, coal mill, extruder, blender mixer and other heavy equipment gearbox used in steel, cement, coal, power, petrochemical and paper industries. They serve well even when used for marine propeller, deck winch, crane, steering gear, the reducer of excavator, dragline, electric-wheeled self-dumping trucks and other equipment in open-pit coal mines.

Standards:

Each grade in the Divyol Gear Oils XS series conforms to performance standards of DIN 51517 Part III (2014); ISO 12925-1 Type CKC/CKD; AGMA EP 9005-EO2 (EP); AISE (US STEEL): 224; David Brown S1.53.101 and FLENDER GEAR BOXES – REVISION 9.

Advantages:

Divyol Gear Oils in the XS series have a high viscosity index which enables reliable and trouble-free operation even in harsh environmental conditions. Besides thermal stability they also have exceptional oxidation inhibition properties. Their unique anti-micro-pitting ability for gear sets reduces the risk of premature damage. Their excellent seal compatibility, next generation additives, load carrying capacity, adequate demulsibility and superior anti-rust, anti-corrosion properties add up into effective protection and therefore longer service life of the gear.

Typical properties:

Sr. No.	Characteristics	Test Method	Divyol Gear Oils XS				
			150	220	320	460	680
1	Appearance	Visual	Bright and clear	Bright and clear	Bright and clear	Bright and clear	Bright and clear
2	Kinematic viscosity at 40 °C, cSt min.	ASTM D 445	150	220	320	460	680
3	Viscosity index, min.	ASTM D 2270	150	154	160	164	168
4	Flash point, COC, °C, min.	ASTM D 92	240	240	250	250	250
5	Pour point, °C, max.	ASTM D 97	-45	-39	-33	-27	-27
6	4 ball EP test, weld load, kg, min.	ASTM D 2783	≥260	≥260	≥260	≥260	≥260
7	FZG micro pitting, fail load stage, GFT rating	FVA 54	>10/High	>10/High	>10/High	>10/High	>10/High
8	Copper corrosion 3 hrs. at 121 °C	ASTM D 130	1b	1b	1b	1b	1b
9	FZG scuffing test, fail load stage A/8.3/90	ASTM D 51354-2	>12	>12	>12	>12	>12
10	Rust protection, sea water	ASTM D 665	Complies	Complies	Complies	Complies	Complies
11	Foaming characteristics, seq. II, tendency/stability, mL/mL	ASTM D 892	0/0	0/0	0/0	0/0	0/0

The above properties are typical values and do not constitute specification of the product.

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